



STATE OF MISSOURI
GEOLOGICAL SURVEY PROGRAM

APPLICATION FOR PERMIT TO DRILL, DEEPEN OR PLUG BACK

RECEIVED
FORM OGGS

JUL 15 2014

☐ APPLICATION TO DRILL ☐ DEEPEN ☐ PLUG BACK ☒ FOR AN OIL WELL ☐ OR GAS WELL

NAME OF COMPANY OR OPERATOR

S & B Operating, LLC

DATE

07/15/2014

ADDRESS

9393 W. 110th St., Ste 500

CITY

Overland Park

STATE

KS

ZIP CODE

66210

DESCRIPTION OF WELL AND LEASE

NAME OF LEASE

Joe Hackler

WELL NUMBER

P-1

ELEVATION (GROUND)

805'

WELL LOCATION

(GIVE FOOTAGE FROM SECTION LINES)

2440 ft. from ☐ North ☒ South section line 2120 ft. from ☒ East ☐ West section line

WELL LOCATION

Sec. 12 Township 43 North Range 32 ☐ East ☒ West

LATITUDE

38.53844

LONGITUDE

94.40521

COUNTY

Cass

NEAREST DISTANCE FROM PROPOSED LOCATION TO PROPERTY OR LEASE LINE 200 FEET

DISTANCE FROM PROPOSED LOCATION TO NEAREST DRILLING, COMPLETED OR APPLIED - FOR WELL ON THE SAME LEASE N/A FEET

PROPOSED DEPTH

400

DRILLING CONTRACTOR, NAME AND ADDRESS

S & B Operating, LLC

ROTARY OR CABLE TOOLS

Rotary

APPROX. DATE WORK WILL START

08/01/2014

NUMBER OF ACRES IN LEASE

80

NUMBER OF WELLS ON LEASE INCLUDING THIS WELL, COMPLETED IN OR DRILLING TO THIS RESERVOIR 1

NUMBER OF ABANDONED WELLS ON LEASE 0

IF LEASE PURCHASED WITH ONE OR MORE WELLS DRILLED, FROM WHOM PURCHASED?

NAME N/A

ADDRESS N/A

NO. OF WELLS PRODUCING 0

INJECTION 0

INACTIVE 0

ABANDONED 0

STATUS OF BOND

☐ SINGLE WELL

AMOUNT \$

☒ BLANKET BOND

AMOUNT \$ 20,000

☒ ON FILE

☐ ATTACHED

REMARKS: (IF THIS IS AN APPLICATION TO DEEPEN OR PLUG BACK, BRIEFLY DESCRIBE WORK TO BE DONE, GIVING PRESENT PRODUCING/INJECTION ZONE AND EXPECTED NEW INJECTION ZONE; USE BACK OF FORM IF NEEDED)

PROPOSED CASING PROGRAM

APPROVED CASING - TO BE FILLED IN BY STATE GEOLOGIST

AMOUNT	SIZE	WT/FT	CEMENT	AMOUNT	SIZE	WT/FT	CEMENT
20	7.000	18	6	20	7	18	Full length
400	2.875	6.5	60	400	2.875	6.5	

I, the Undersigned, state that I am the Officer of the S&B Op (Company), and that I am authorized by said company to make this report, and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct, and complete to the best of my knowledge.

SIGNATURE

DATE

07/15/2014

PERMIT NUMBER

21361

APPROVED DATE

7-23-14

APPROVED BY

Joseph A. Hillman

☒ DRILLER'S LOG REQUIRED

☒ E-LOGS REQUIRED IF RUN

☒ CORE ANALYSIS REQUIRED IF RUN

☒ DRILL SYSTEM TEST INFO REQUIRED IF RUN

☒ SAMPLES REQUIRED

☐ SAMPLES NOT REQUIRED

☐ WATER SAMPLES REQUIRED AT

NOTE: THIS PERMIT NOT TRANSFERABLE TO ANY OTHER PERSON OR TO ANY OTHER LOCATION.

APPROVAL OF THIS PERMIT BY THE OIL AND GAS COUNCIL DOES NOT CONSTITUTE ENDORSEMENT OF THE GEOLOGIC MERITS OF THE PROPOSED WELL NOR ENDORSEMENT OF THE QUALIFICATIONS OF THE PERMITTEE

I, Brad Kramer of the S&B Op (Company), confirm that an approved drilling permit has been obtained by the owner of this well. Council approval of this permit will be shown on this form by presence of a permit number and signature of authorized council representative.

DRILLER'S SIGNATURE

DATE

7/15/14

RECEIVED

FORM OGC-4

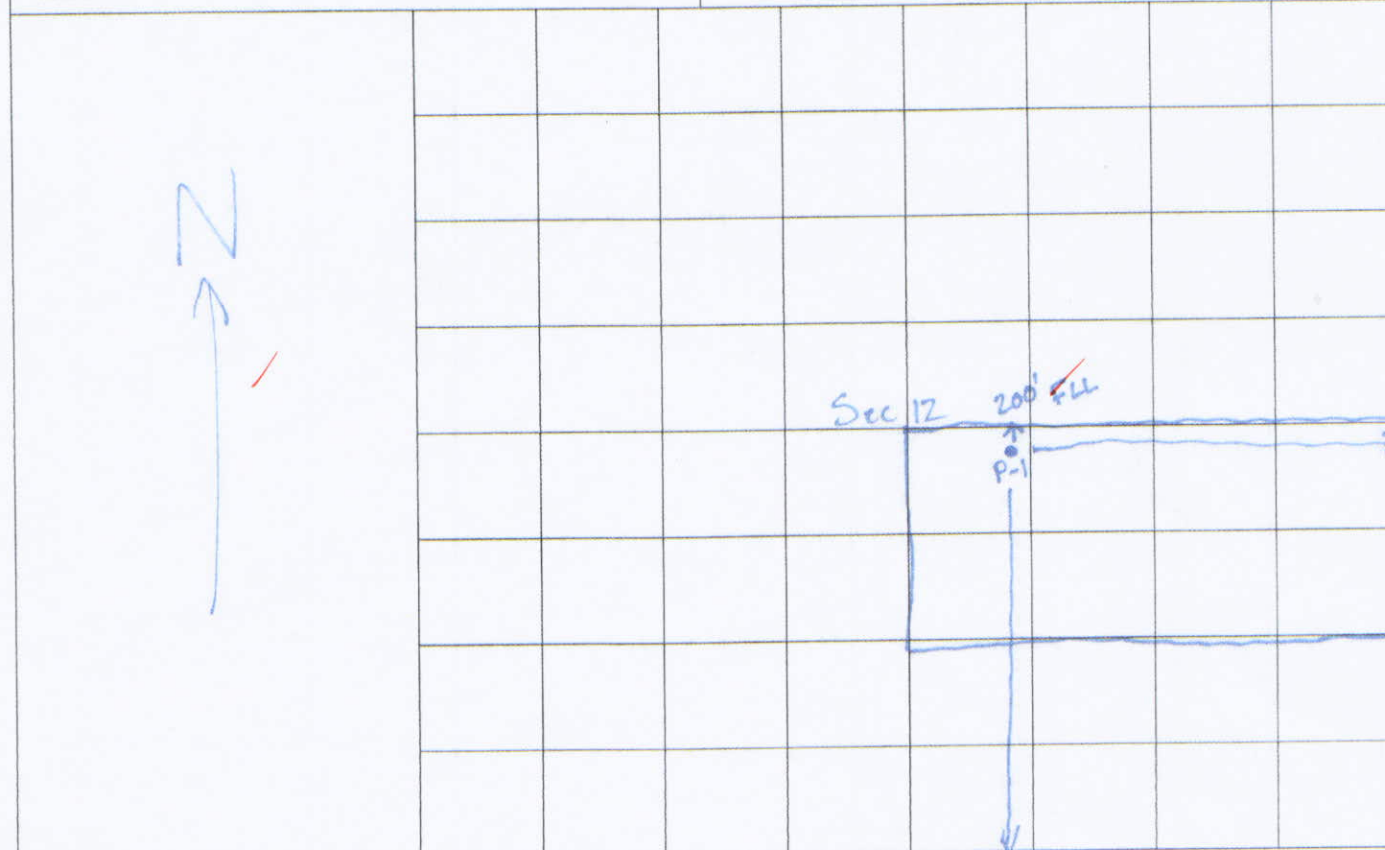
JUL 15 2014



STATE OF MISSOURI
MISSOURI DEPARTMENT OF NATURAL RESOURCES
GEOLOGICAL SURVEY PROGRAM
WELL LOCATION PLAT

Mo Oil & Gas Council

OWNER'S NAME S & B Operating, LLC	
LEASE NAME Joe Hackler P-1	COUNTY Cass
WELL LOCATION (GIVE FOOTAGE FROM SECTION LINES) 2440 ft. from <input type="checkbox"/> North <input checked="" type="checkbox"/> South from section line 2120 ft. from <input checked="" type="checkbox"/> East <input type="checkbox"/> West from section line	
WELL LOCATION Sec. 12 Township 43 North Range 32 <input type="checkbox"/> East <input checked="" type="checkbox"/> West	
LATITUDE N38.53844	LONGITUDE W94.40521



REMARKS Each Square = 660' Lease = N/2 SE/4	
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<p>INSTRUCTIONS</p> <p>On the above plat, show distance of the proposed well from the two nearest section lines, the nearest lease line, and from the nearest well on the same lease completed in or drilling to the same reservoir. Do not confuse survey lines with lease lines. See rule 10 CSR 50-2.030 for survey requirements. Lease lines must be marked.</p>	<p>This is to certify that I have executed a survey to accurately locate oil and gas wells in accordance with 10 CSR 50-2.030 and that the results are correctly shown on the above plat.</p>		
<p>REMIT TWO (2) COPIES TO: GEOLOGICAL SURVEY PROGRAM PO BOX 250, ROLLA, MO 65402-0250 (573) 368-2143 ONE (1) COPY WILL BE RETURNED</p>	<table border="1"> <tr> <td>REGISTERED LAND SURVEYOR</td> <td>NUMBER</td> </tr> </table>	REGISTERED LAND SURVEYOR	NUMBER
REGISTERED LAND SURVEYOR	NUMBER		



Check Location

Select a coordinate format, enter a pair of coordinates in the boxes below it, and then press the SUBMIT button. Please be patient while your information is retrieved. Your coordinates will be converted to the other formats, the information on the right-hand side of the page will be filled in based on your coordinates, and a map will be generated. NOTE: All coordinates must use the North American Datum of 1983 (NAD83).

Submit

☐ Universal Transverse Mercator
[Zone 15 North]

Easting
377531.05003421195 meters

Northing
4266494.594391361 meters

☒ Decimal Degrees

Latitude
38.53844 °

Longitude
-94.40521 °

☐ Degrees, Minutes and Seconds

Latitude Degrees
38 °

Latitude Minutes
32 '

Latitude Seconds
18.38400000004903 ''

Longitude Degrees
-94 °

Longitude Minutes
24 '

Longitude Seconds
18.75599999998262 ''

UTM Zone 15N [Easting, Northing]	[377531.0, 4266494.5] meters
Decimal Degrees [Lat, Lon]	[38.53844°, -94.40521°]
Deg, Min, Sec [Lat, Lon]	[38° 32' 18.3", -94° 24' 18.7"]
County Name	Cass
County FIPS Code	037
Legal Description	Section 12 T43N R32W
Municipality	NO VALUE
House District	57
Senate District	31
Congressional District	4
MoDNR Region	Kansas City Regional Office
USGS 1:24,000 Quadrangle	Everett [38094-E4]
8 Digit Watershed	10290108 [South Grand]
10 Digit Watershed	1029010802 [Mormon Fork-South Grand River]
12 Digit Watershed	102901080203 [Black Creek-South Grand River]
Special Well Drilling Area	Area 2
Ecological Drainage Unit	Central Plains/Osage/South Grand
Level III Ecoregion	Central Irregular Plains
Query Time	5.968 s

Rows with **red** text indicate that the input location is too close to a boundary to produce reliable results.

NOTE: A result of 'NO VALUE' is usually an indication that no data was found for the location. For example, not every point in Missouri will lie within a municipal boundary, so some will result in a 'NO VALUE'. If 'County Name' results in 'NO VALUE', your point probably lies outside the state.

Metadata

- Roads
- Railroads
- County Boundaries
- Municipal Boundaries
- Lakes and Ponds
- Rivers and Streams
- Missouri River

